


The diagram illustrates a cellular network 100, which is a hexagonal grid of cells. Two adjacent cells are shown in detail. The upper cell contains a Base Station (BS) 102, represented by a rectangle with three antenna symbols (Y-shapes) on top, labeled 104. Three User Terminals (UT) are located within this cell: UT 105 is at the top right, UT 106 is at the middle left, and UT 107 is at the top left. Each UT is connected to the BS 102 by a lightning bolt symbol, representing a radio link. The lower cell contains a Base Station (BS) 111, also a rectangle with three antenna symbols on top. Two User Terminals (UT) are in this cell: UT 109 is at the middle left and UT 110 is at the middle right. Both UTs are connected to BS 111 by lightning bolt symbols. The entire network is labeled 100 with an arrow pointing to the grid.

100 

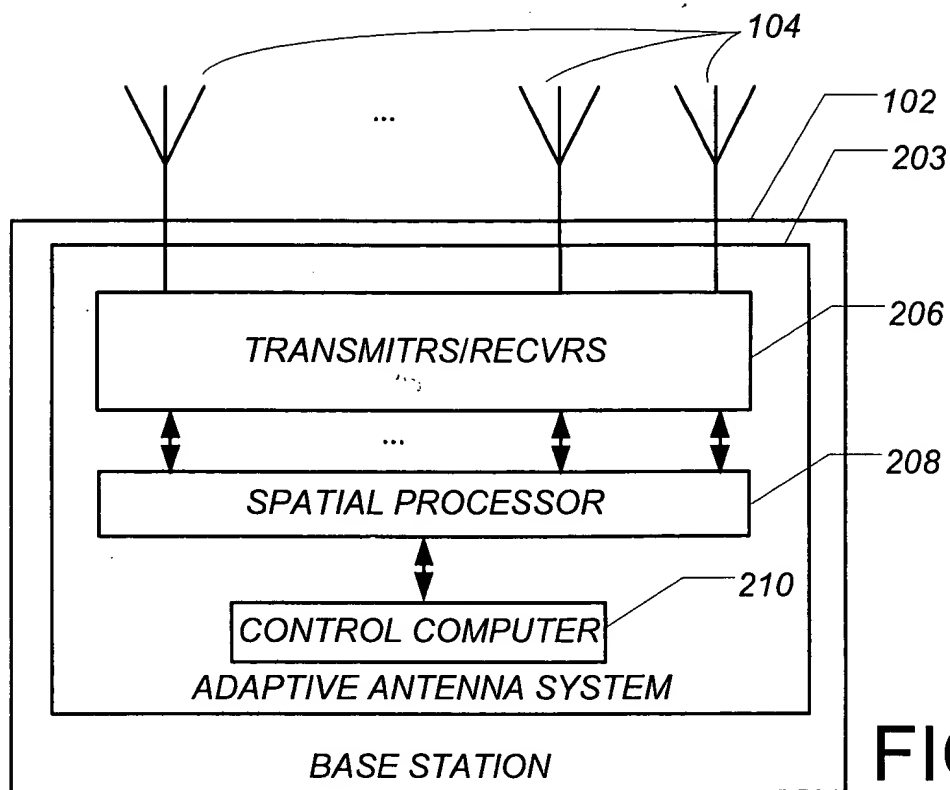


FIG. 2A

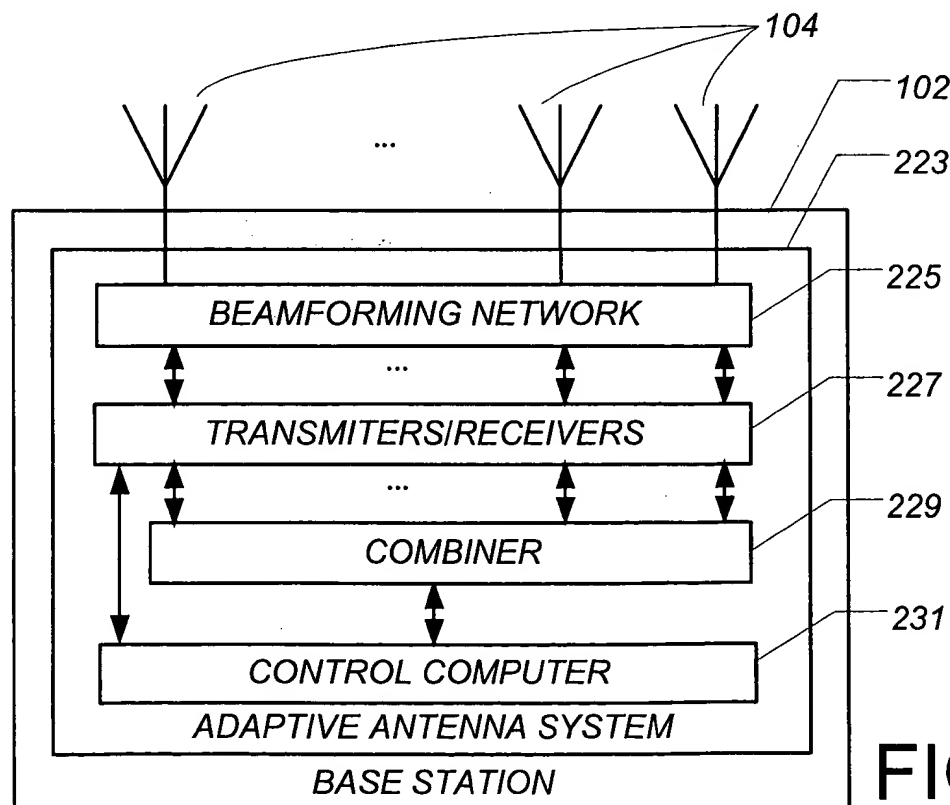
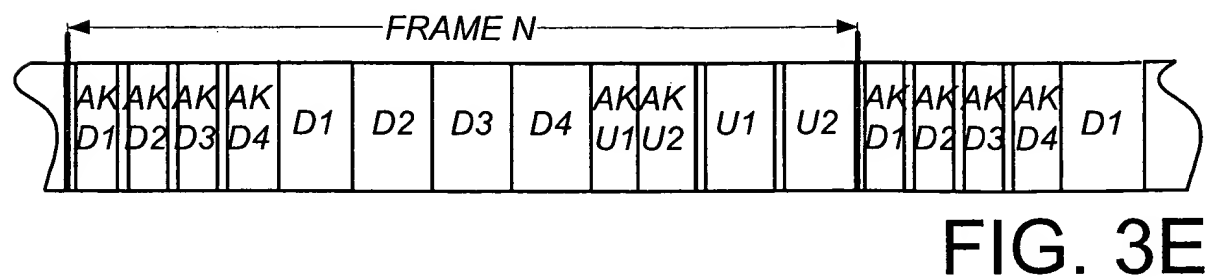
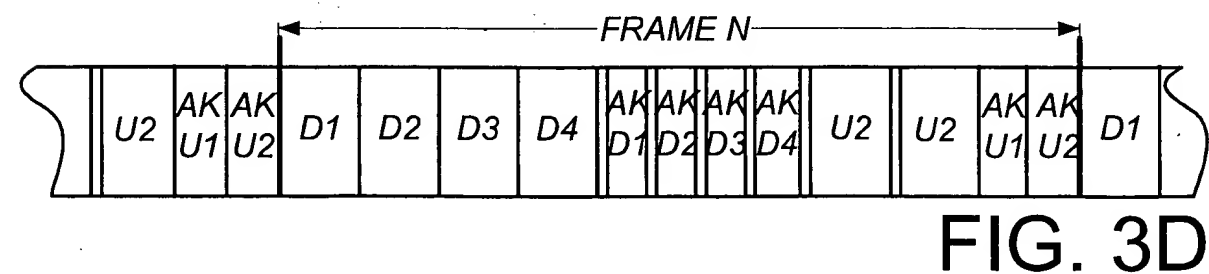
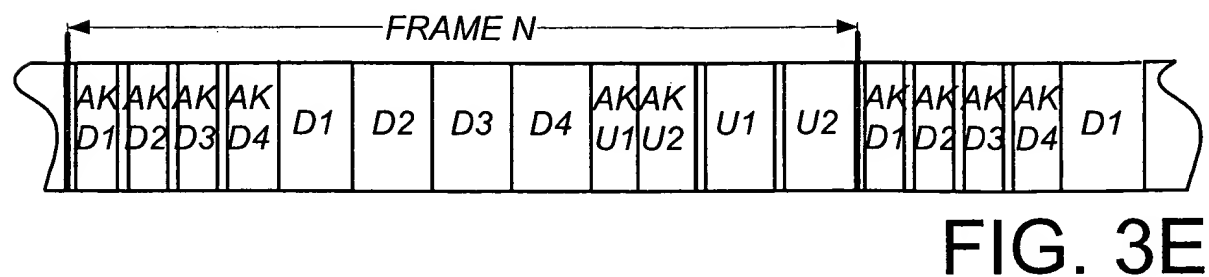
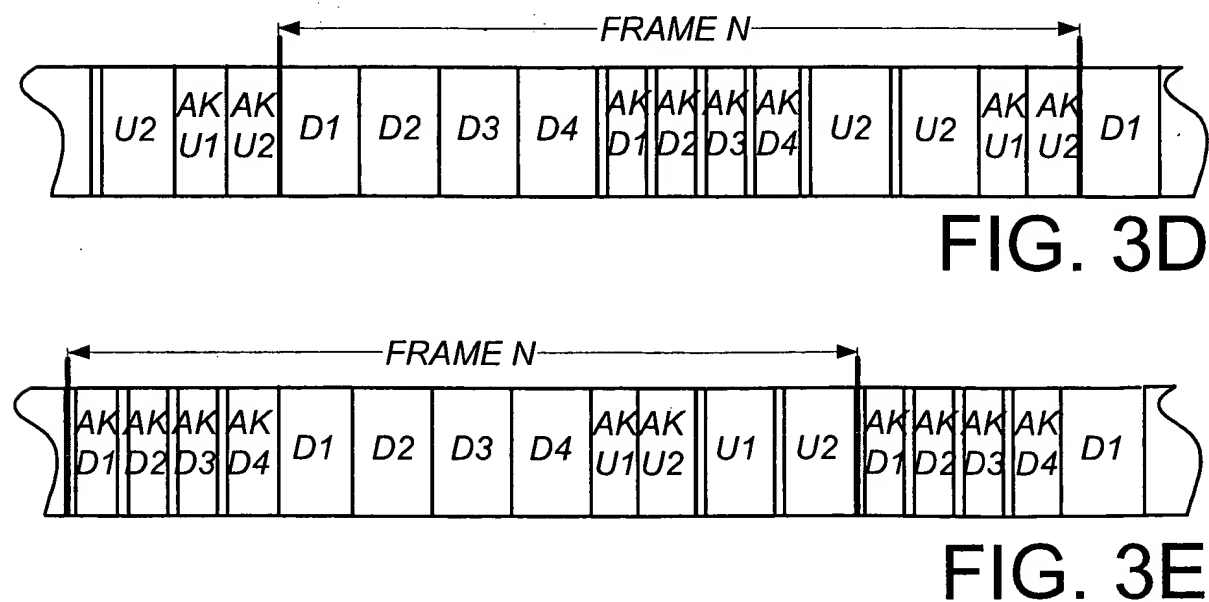


FIG. 2B

FIG. 3A



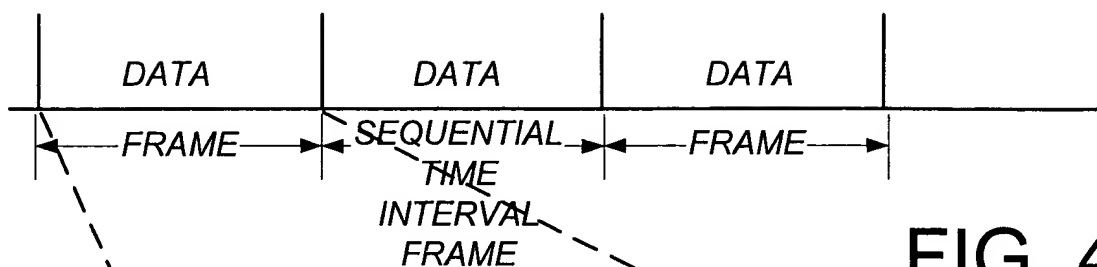


FIG. 4A

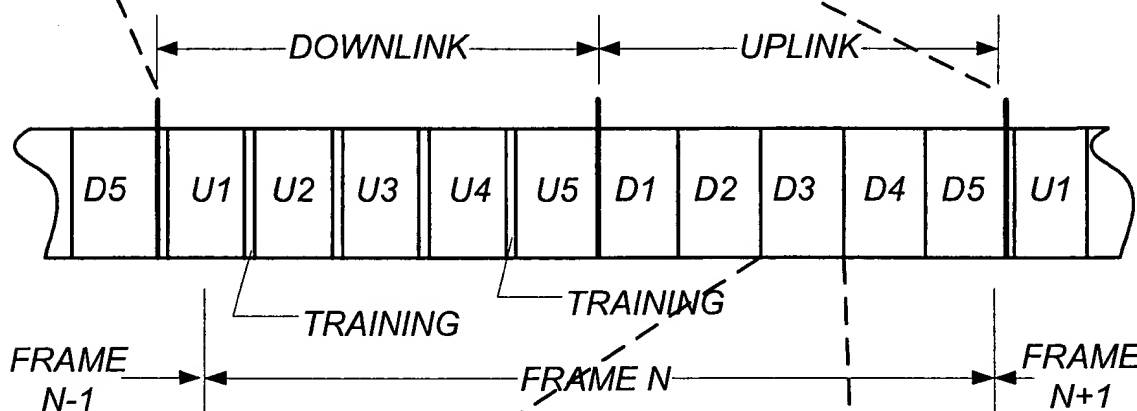


FIG. 4B



FIG. 4C

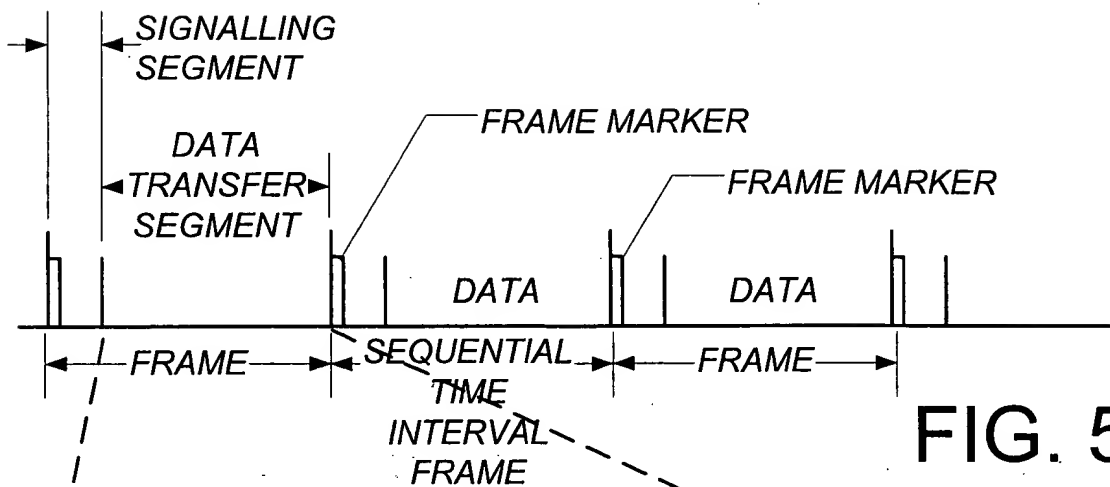


FIG. 5A

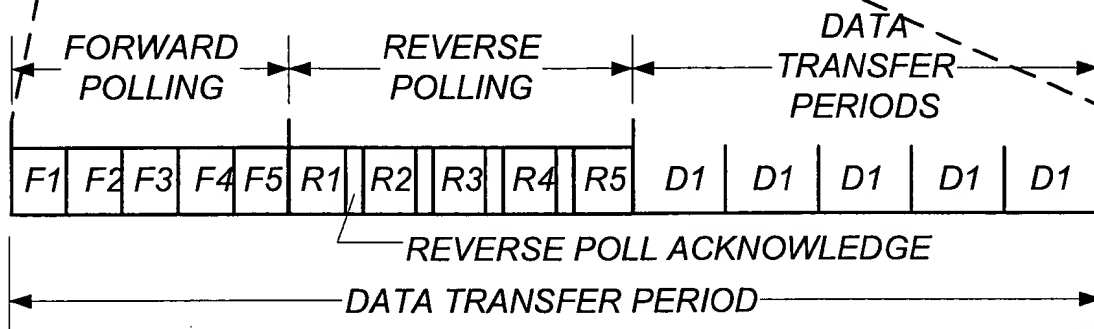


FIG. 5B

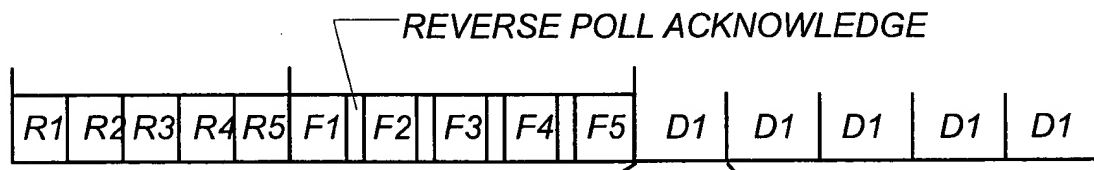


FIG. 5C

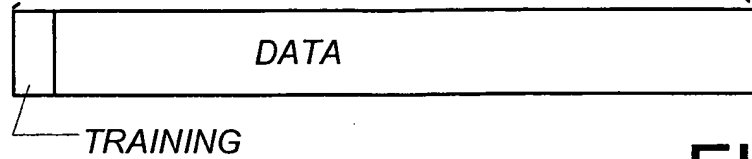


FIG. 5D